

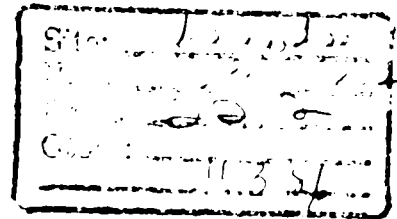


Engineers  
Planners  
Economists  
Scientists

November 3, 1986

W68540.PM

Ms. Alice Fuerst  
Environmental Protection Agency  
Region VII  
726 Minnesota Avenue  
Kansas City, Kansas 66101



  
S00025533  
SUPERFUND RECORDS

15242

Dear Ms. Fuerst:

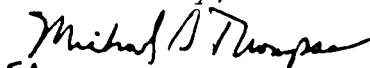
Subject: Cherokee County, RI/FS Interim Work Plan Memorandum  
Submittal, Work Assignment No. 102-7L37 (REM IV)

Enclosed for your review and approval is the Interim Work Plan Memorandum describing the initial work planned for the Cherokee County Site under the REM IV contract. Included in the memorandum is a description of the tasks to be accomplished, a schedule, and a budget estimate.

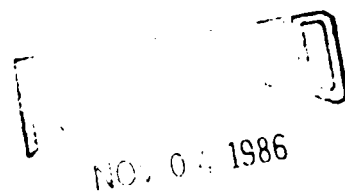
The tasks described in this Interim Work Plan are for work planned during November and early December 1986. As per your request, we will prepare another Interim Work Plan for December and beyond, based on discussion at project meetings last week and planning workshops to be held in early November.

If you have any questions, please call me. We would appreciate approval as soon as possible because we currently have authorization for only 100 LOE hours, and much of that has been committed for meetings with EPA which took place on October 8, 9, 28, and 29.

Sincerely,



Richard Moos  
SPM, Cherokee County Site



DE/CC2/048sh

cc: Randy Kaltreider, PO, EPA HQ  
Bob Ogg, APM-OPNS, CH2M HILL, WDC  
Roman Rollins, CH2M HILL, WDC  
Mike Thompson, RM, CH2M HILL, KCK  
Bill Bluck, RTL, CH2M HILL, SIC  
Emory McLean, SRW Associates  
Gale Wright, EPA Region VII, Kansas City

REMID SECTION

INTERIM WORK PLAN MEMORANDUM  
Cherokee County Site

INTERIM WORK ASSIGNMENT (IA)  
STATEMENT OF WORK (SOW)

The following SOW description outlines the tasks to be accomplished under Interim Authorization (IA) during November and early December 1986 for this project. The tasks have been outlined using Standard Codes for REM IV's Superfund Project Control System (SPCS). For reference, the tasks listed below have incorporated the original tasks outlined in the complete SOW description for the RI/FS.

Standard Code  
(Activity) . (Task)

Task Description

IA.ED

Existing Data Analysis

This task will include two components. First, a review of existing available surface hydrology data and information on the Spring River and its major tributaries in southeast Kansas will be conducted. Second, the water quality and flow data collected in September 1986 will be analyzed and evaluated. The objectives of this task will be to:

- o Acquire or calculate surface area for each of the watersheds of interest for the project.
- o Obtain historical flow data for the Spring River and major tributaries (if possible) and describe annual and seasonal flows.
- o Prepare hydrographs for the Spring River and major tributaries (if possible) over appropriate periods of record.
- o Review readily available flow and water quality data from STORET to see what relationships there are between precipitation and runoff, and

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between flow rates and water quality.

- o Review flow relationships between the Spring River and major tributaries if data is available.
- o Calculate flows at the stations sampled in September 1986.
- o Evaluate water quality data from the September 1986 sampling.
- o Compare relative contaminant contributions from the various subareas to the contaminant mass loadings in Spring River and Short Creek, based on September 1986 data.
- o Prepare a technical memorandum summarizing the results of this task.

IA.FQ

Fieldwork--Groundwater

This task is a preliminary water supply inventory within the Cherokee County Site to determine which towns and rural areas are serviced by municipal or rural water supply systems (using deep wells or surface water resources) and which areas are dependent on shallow private wells as the primary drinking water resource. Principal work effort will be limited to making telephone contacts with water supply districts and regulatory agencies to acquire existing data on public water supplies and private wells within the subsites.

Based on the information acquired, a proposal will be presented to EPA

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to do a field survey (door-to-door) and sample a portion of the private wells in the area. The field work, however, will not be done until Spring 1987 and is not budgeted under this Interim Authorization. Subtasks include the following:

- o Contact, primarily by telephone, municipal water supply departments, rural water districts, and local and state agencies to acquire information on groundwater wells and public water supply systems.
- o Define aerial extent of public water supply systems and determine, if possible, their capacity and capability to expand.
- o Obtain water quality and quantity information on the public water supply systems.
- o Determine where there are concentrations of private shallow groundwater wells that would provide data and water samples representative of the shallow groundwater resource within selected areas.
- o Make recommendations to Region VII for field activities in spring 1987.

IA.AP

Scoping of Response Actions

The project staff will prepare a preliminary list of General Remedial Response Actions deemed appropriate for the Galena Subsite and for the Cherokee County Site as a whole. Within each category, (Environmental media and geographic area) where possible, appropriate remedial

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technologies will be listed for each of the General Response Actions. Finally, a list of data needs will be compiled and discussed with EPA. The goals of this task will be to:

- o Determine appropriate categories for remediation within the Galena subsite (for example, Hell's Half-Acre: Groundwater, and Hell's Half-Acre: Surface Water).
- o Determine appropriate Environmental Media categories for the Cherokee County Site (for example: Groundwater, Surface water, Air, Surface Mine Wastes).
- o Prepare preliminary lists of general response actions and appropriate remedial technologies.
- o Determine, where possible, the types of field data and information required to evaluate the response actions and/or technologies.
- o Work with Region VII to develop project goals and objectives based on the results of the subtasks above. This subtask will include a workshop with Region VII in late November, and a subsequent meeting with EPA in December.

IA.PM

Project Management

This task includes coordination of technical program aspects, budget control, and preparation of technical, financial, and schedule reports for November and December. The PM task also includes:

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- o Preparation of the Interim Work Plan Memorandum
- o Attendance by the SM and RM at a project planning meeting with EPA on October 8 in Kansas City.
- o Attendance by the SM and RM at a meeting with EPA and the PRP's in late October.
- o Project Workshop between EPA and senior project staff in late October.
- o Coordination of the water supply inventory field effort.

Table 1 presents the estimated budget to complete the interim work assignment tasks presented above, and submit technical memoranda or appropriate information packets to Region VII.

DE/CC2/049sh













INTERIM WORK PLAN MEMORANDUM APPROVAL  
CONTRACTOR CH2M HILL Southeast

DATE: November 4, 1986

FROM Alice Fuerst, Region VII  
REGIONAL PROJECT MANAGER

TO Wayne Sellman, CH2M HILL  
ASSISTANT PROGRAM MANAGER-ADMIN

WA NO: 102-7L37

SITE NAME Cherokee County RI/FS

ACTIVITY: Interim Authorization

SM NAME Dick Moos

INSTRUCTIONS FOR PROCESSING  
"INTERIM WORK PLAN MEMORANDUM APPROVAL"

- 1) SM submits work plan memorandum and form to RPM for approval
- 2a) If the budget exceeds the original work assignment, it must be approved by the CO before work can continue
- 2b) If the budget is at or below the original work assignment, the RPM gets REM RPO signature and sends original to APM ADMIN with copy to CO and PO
- 3) APM ADMIN notifies SM of receipt of the form and completes project set up form for project implementation

LOE 8

AMOUNT SUBMITTED FOR APPROVAL:

553

49,664

APPROVED: \_\_\_\_\_

PARTIAL APPROVAL: \_\_\_\_\_

NOT APPROVED: \_\_\_\_\_

COMMENTS \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RPM SIGNATURE/DATE

cc: CO - Vince Gonzales, EPA HQ  
PO - Randy P. ... EPA HQ

REM RPO SIGNATURE/DATE